

Notice of Allowability

Application No.

10/619,724

Examiner

David D. Le

Applicant(s)

ISHIMARU, WATARU

Art Unit

3681

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communication filed on 16 July 2003.
2. ☒ The allowed claim(s) is/are 1-14.
3. ☒ The drawings filed on 16 July 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 07/16/03, 11/19/20
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

This is the first Office action on the merits of Application No. 10/619,724, filed on 16 July 2003. Claims 1-14 are pending.

Documents

1. The following documents have been received and filed as part of the patent application:
 - Priority Document, received on 07/16/03
 - Information Disclosure Statement, received on 07/16/03
 - Information Disclosure Statement, received on 11/19/2003

Information Disclosure Statement

2. The following documents, which were submitted on 19 November 2003 as part of the information disclosure statement, have been considered by the examiner:

- 10/614,827
- 10/446,869
- 10/619,559
- 10/617,788
- 10/619,459
- 10/617,787

However, the above documents will not be put on the front cover of the patent because they are not considered as proper published documents.

Allowable Subject Matter

3. Claims 1-14 are allowed.
4. The following is an examiner's statement of reasons for allowance:

Claim 1:

The prior art of record fails to show or render obvious a speed change gear for an automatic transmission comprising a combination of an input portion, an output portion, three planetary gear sets, three clutches, two brakes, a first rotation member, a second rotation member, a third rotation member, a fourth rotation member, and a fifth rotation member; wherein the combination provides at least six forward gears and one reverse gear; wherein one of the three planetary gear sets is a double sun gear planetary gear set, which includes a sun gears, a common pinion meshing with the two sun gears, and a center member; and wherein the fifth rotation member receives via the first clutch outputted rotation from the speed reduction planetary gear set, and includes an element in the corresponding one of the double sun gear planetary gear set and the single pinion planetary gear set, which relates to the second rotation member, as recited in the claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Mori et al. (U. S. Patent No. 3,863,524) teaches a gear train arrangement as shown in Fig. 14.
- Ohtsuka (U. S. Patent No. 4,483,212) teaches a change-speed transmission as shown in Fig. 1.
- Welch (U. S. Patent No. 3,722,323) teaches a transmission as shown in Fig. 1.
- H. H. Holl (U. S. Patent No. 3,381,546) teaches a power transmitting mechanism as shown in Fig. 4.
- Gorrell et al. (U. S. Patent No. 3,815,445) teaches a variable speed planetary transmission as shown in Fig. 1.
- Hayabuchi et al. (U. S. Patent No. 6,558,287) teaches an automatic transmission as shown in Fig. 1.
- Hattori (U. S. Patent No. 5,133,697) teaches a planetary gear system as shown in Fig. 1.
- Hayabuchi et al. (U. S. Patent No. 6,723,018) teaches an automatic transmission as shown in Fig. 1.
- Japanese Patent No. JP402118240A teaches a gear speed change gear as shown in Fig. 1.


Art Unit: 3681

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David D. Le whose telephone number is 703-305-3690. The examiner can normally be reached on Mon-Fri (0700-1530).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles A Marmor can be reached on 703-308-0830. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


ddl


CHARLES A. MARMOR
SUPERVISORY PATENT EXAMINER
ART UNIT 3681